

FIG.1
PRIOR ART

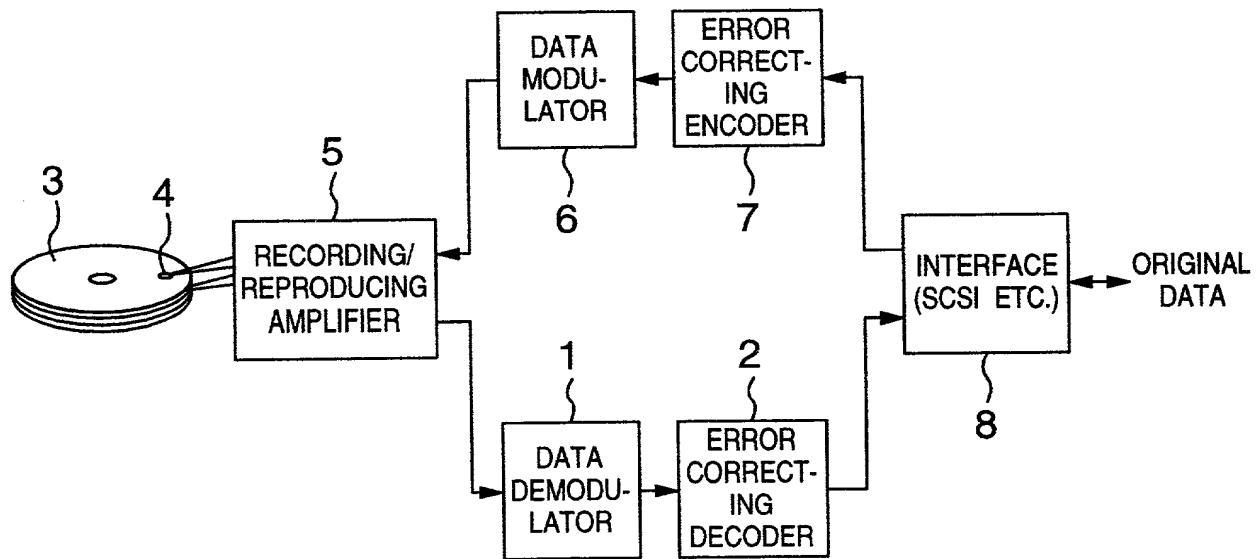


FIG.2

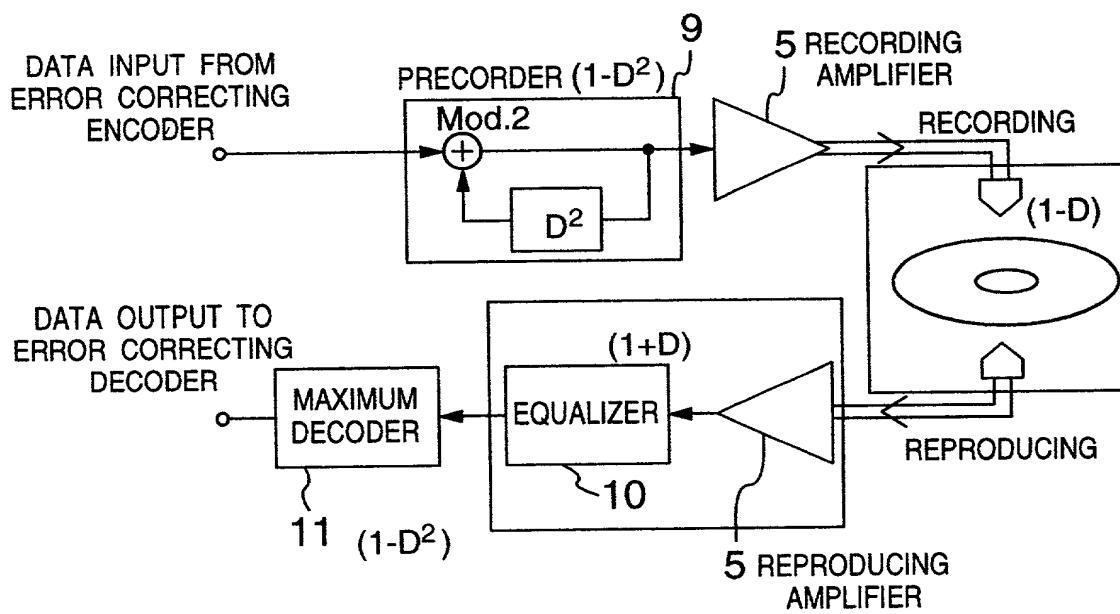


FIG.3A PRIOR ART

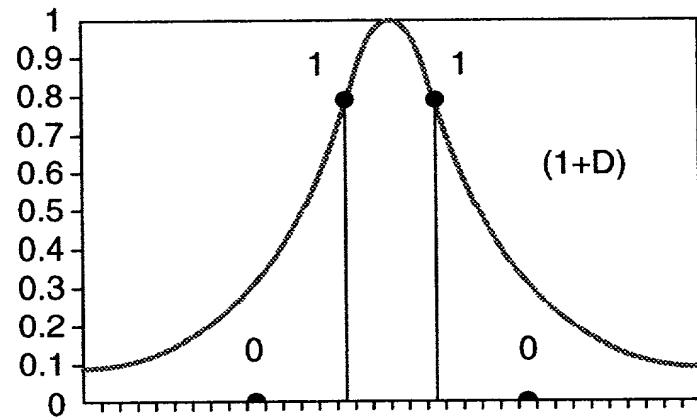


FIG.3B PRIOR ART

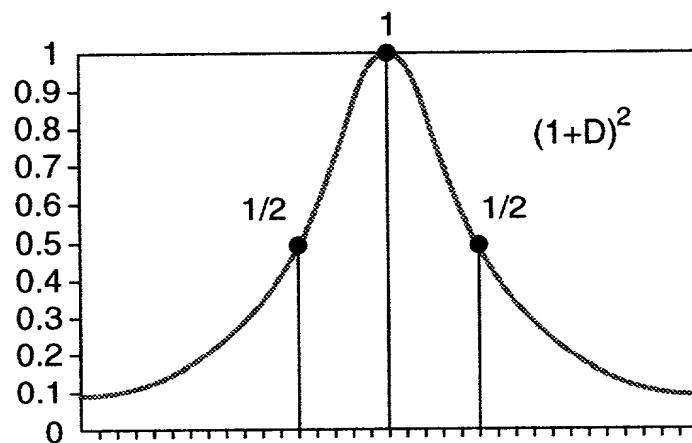


FIG.3C PRIOR ART

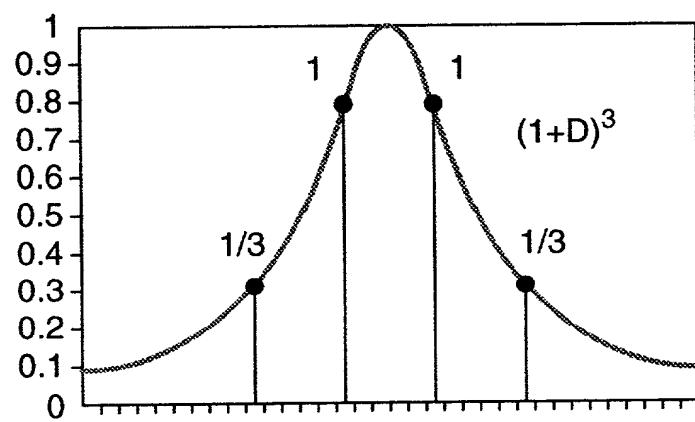


FIG.4
PRIOR ART

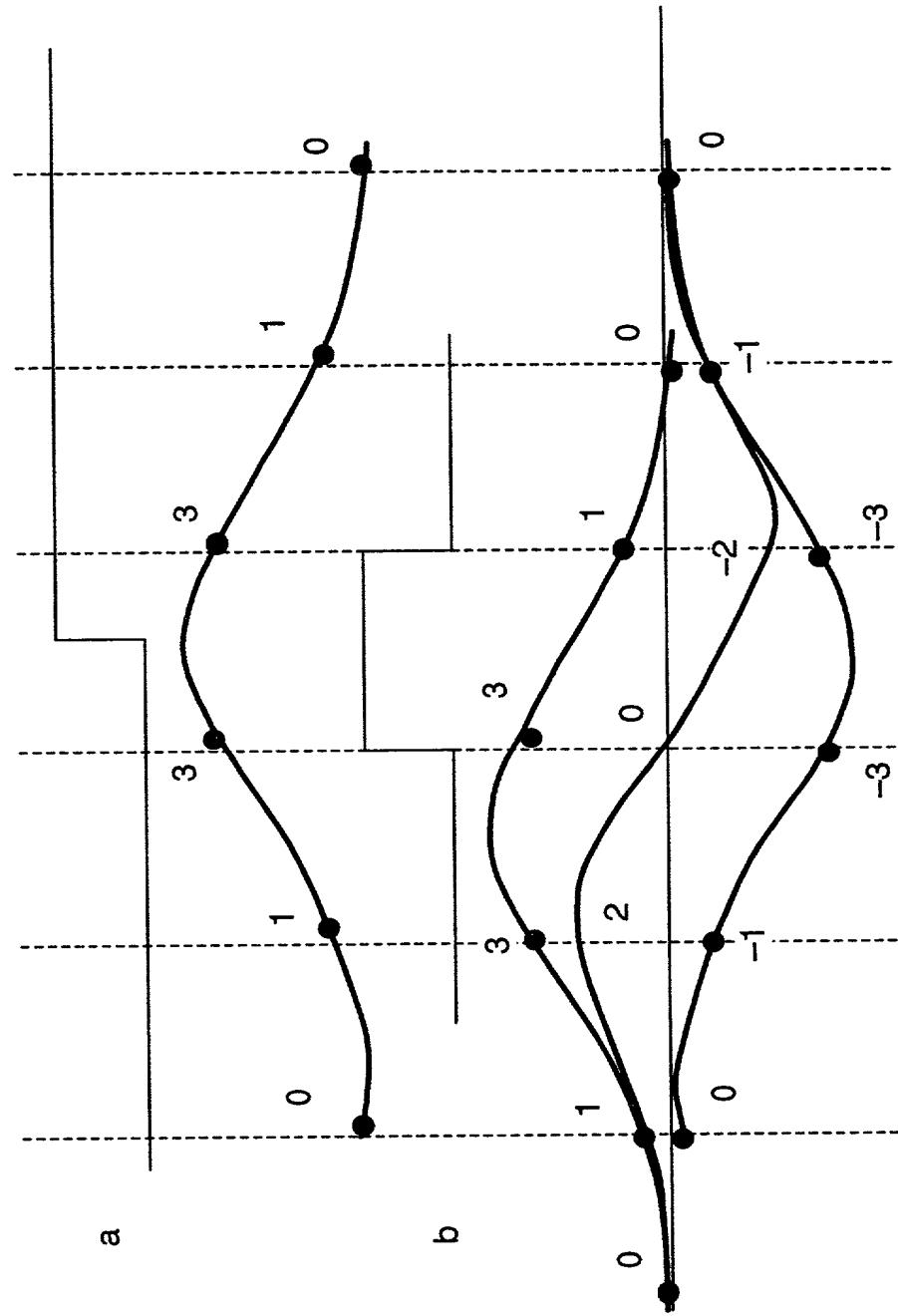
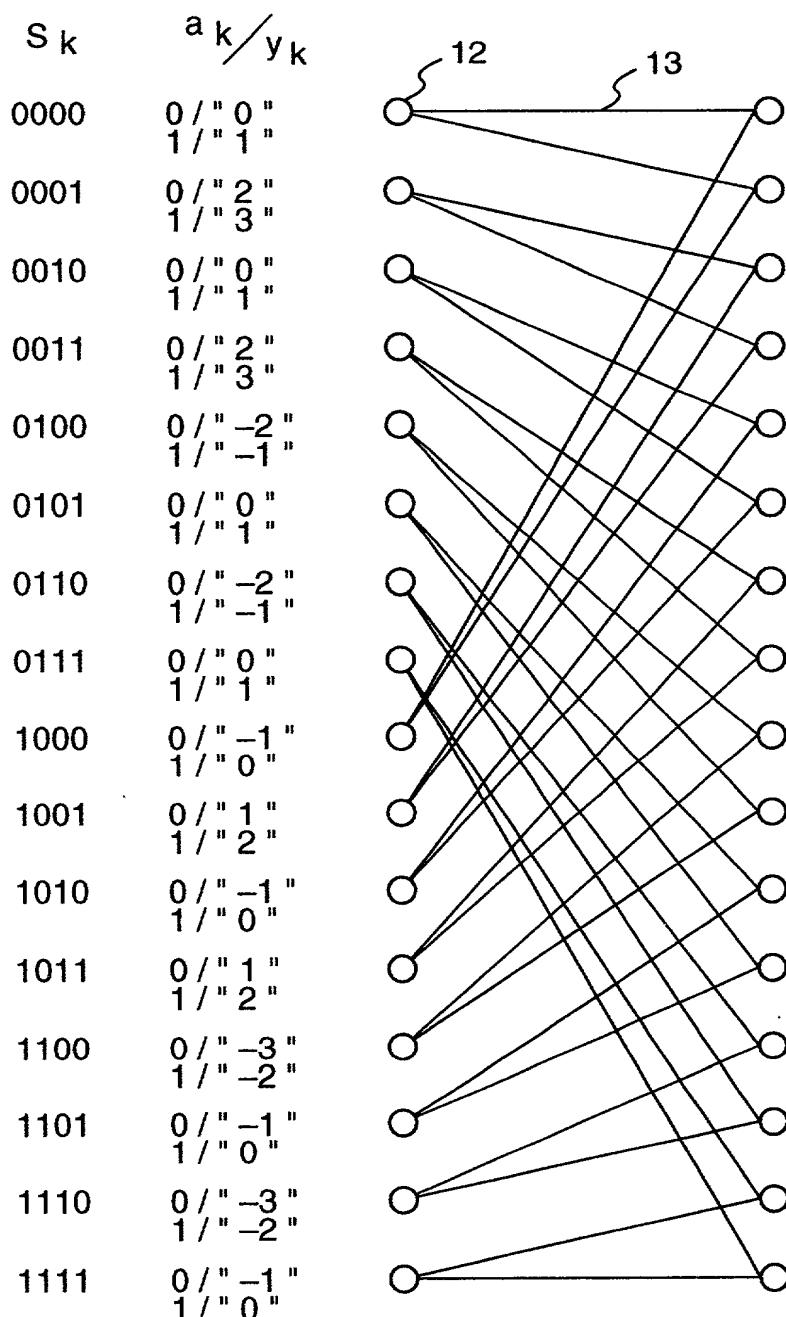


FIG.5
PRIOR ART



$$y_k = a_k + 2a_{k-1} - 2a_{k-3} - a_{k-4}$$

$$s_k = a_{k-4} a_{k-3} a_{k-2} a_{k-1}$$

FIG.6
PRIOR ART

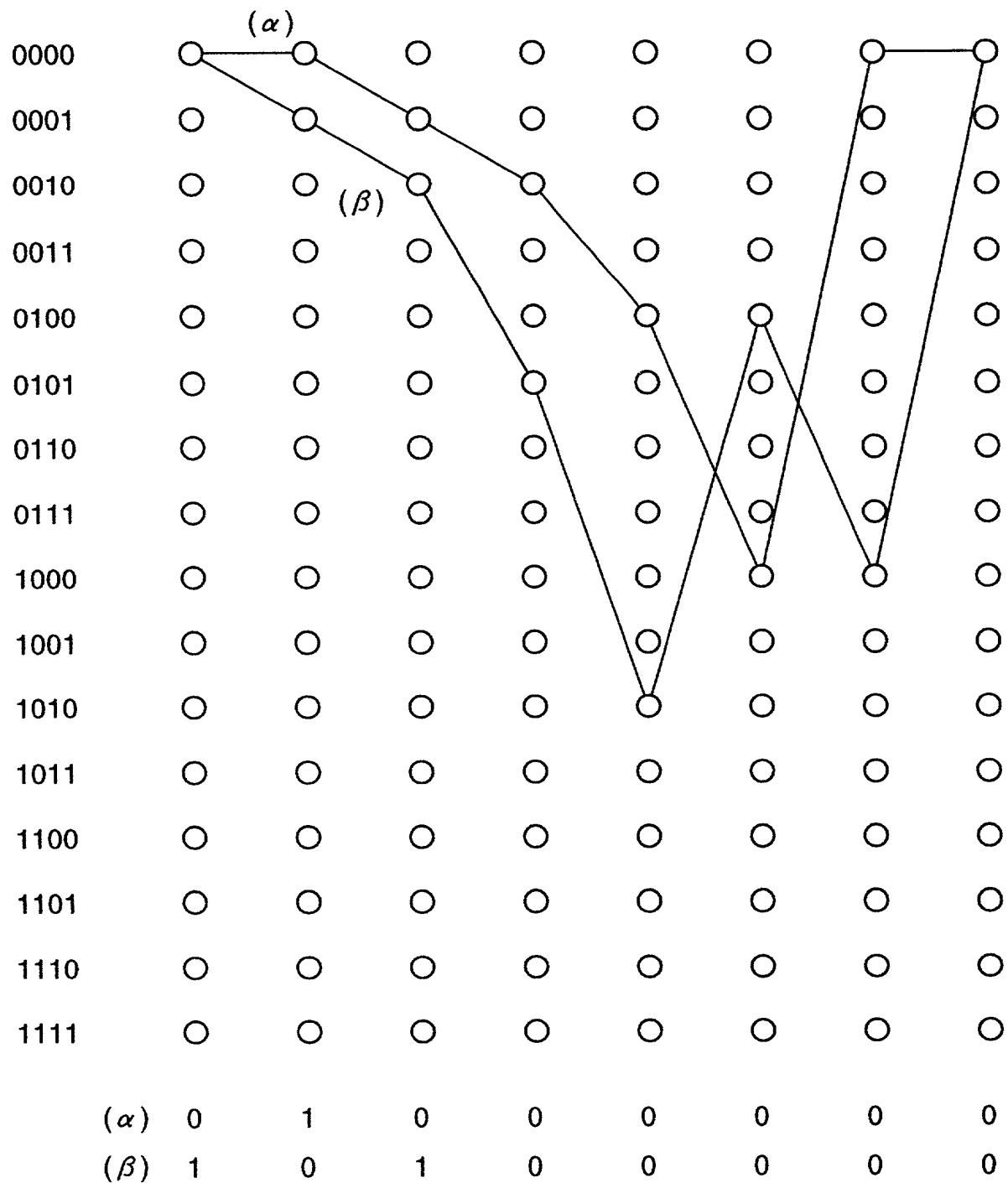
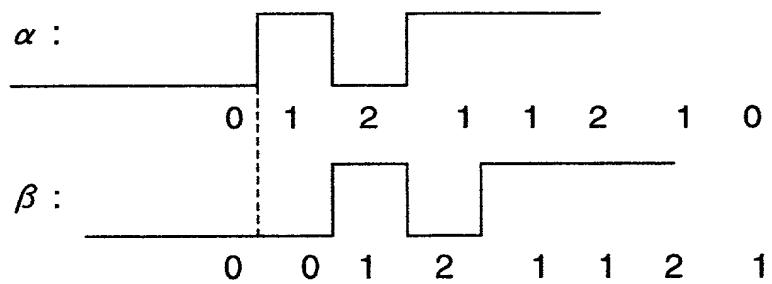


FIG.7



$$\begin{aligned}(\alpha - \beta)^2 &= (1-0)^2 + (2-1)^2 + (1-2)^2 + (1-1)^2 + (2-1)^2 + (1-2)^2 + (0-1)^2 \\&= 6\end{aligned}$$

FIG.8

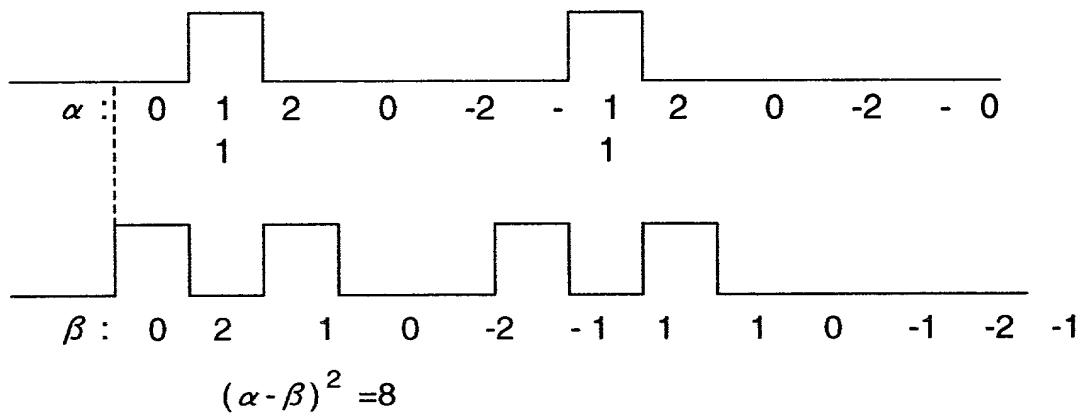


FIG.9A

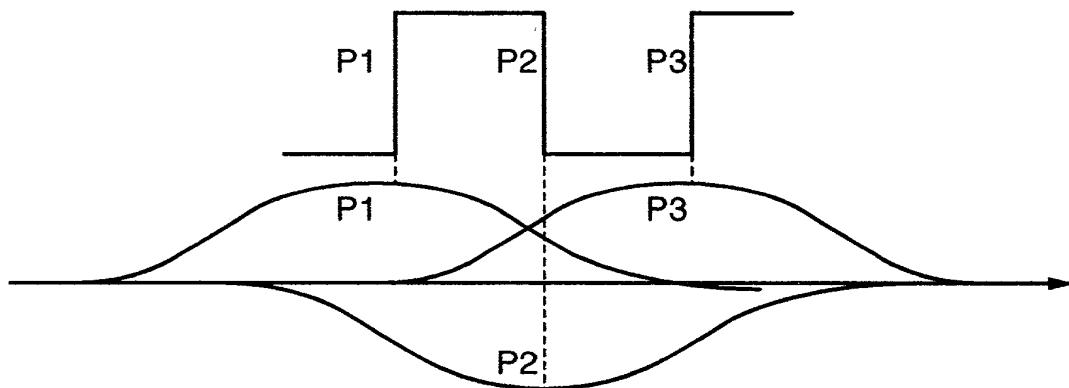


FIG.9B

| | | | | | | | |
|-----|---|----|----|----|----|---|--|
| (a) | 1 | 3 | 3 | 1 | | | |
| | | -1 | -3 | -3 | -1 | | |
| | 1 | 2 | 1 | 1 | 2 | 1 | |
| (b) | 1 | 3 | 3 | 0 | | | |
| | | -1 | -3 | -3 | 0 | | |
| | 1 | 2 | 1 | 0 | 3 | 0 | |

FIG.10

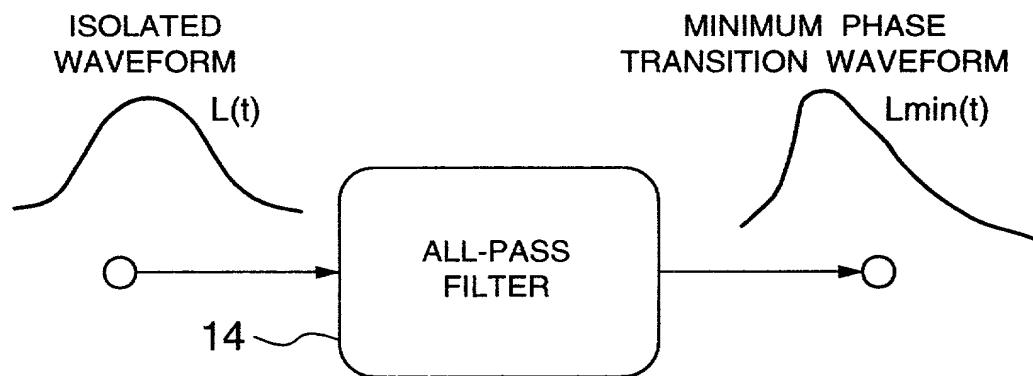


FIG.11

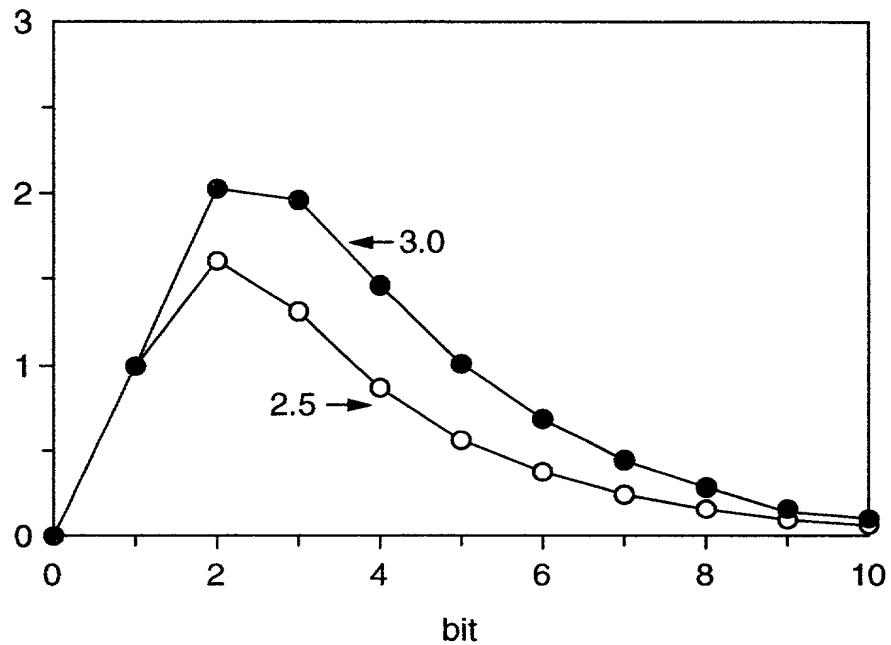


FIG.12

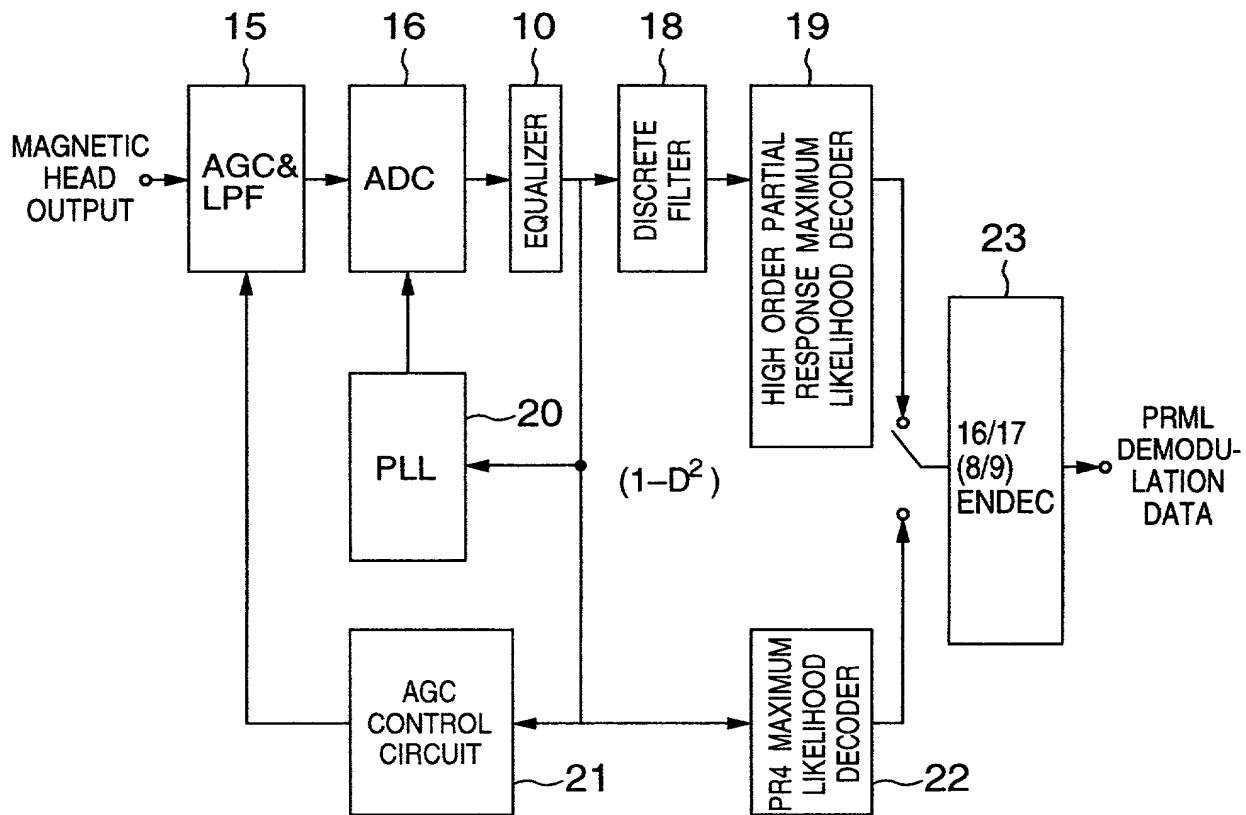


FIG.13A

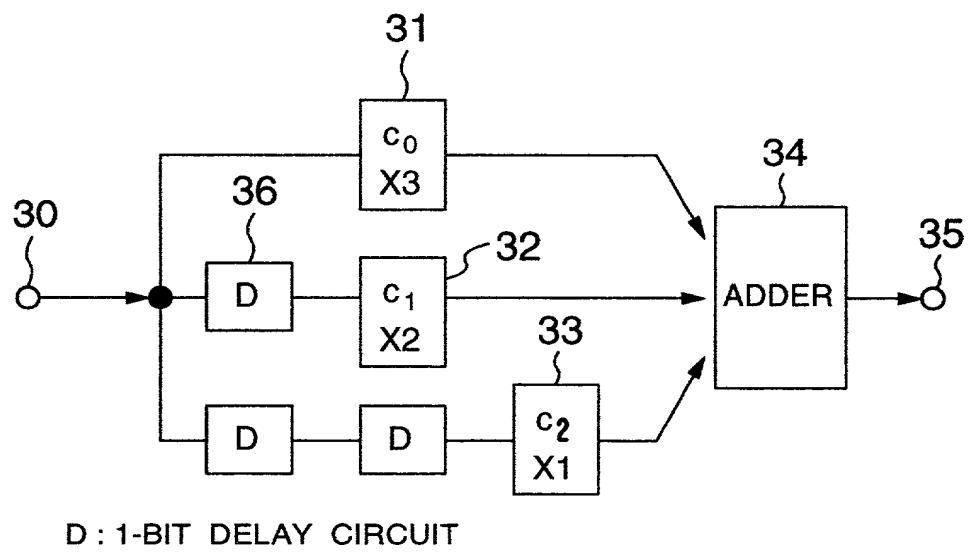


FIG.13B

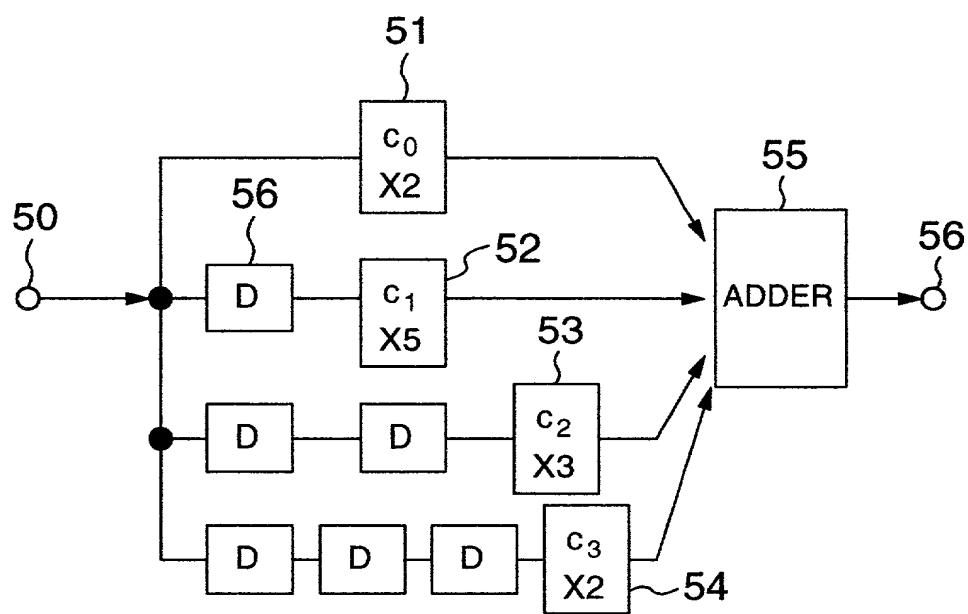
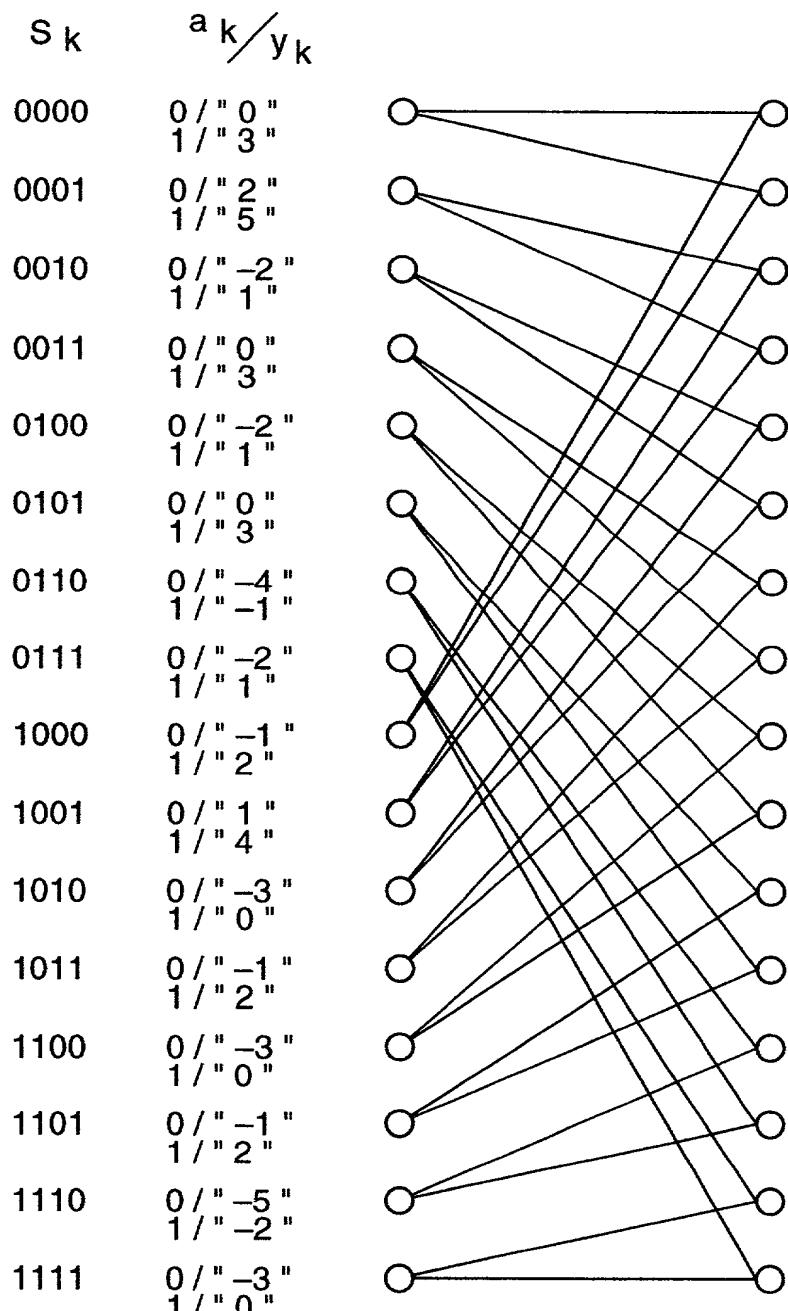


FIG.14



$$y_k = 3a_k + 2a_{k-1} - 2a_{k-2} - 2a_{k-3} - a_{k-4}$$

$$s_k = a_{k-4} a_{k-3} a_{k-2} a_{k-1}$$

FIG.15

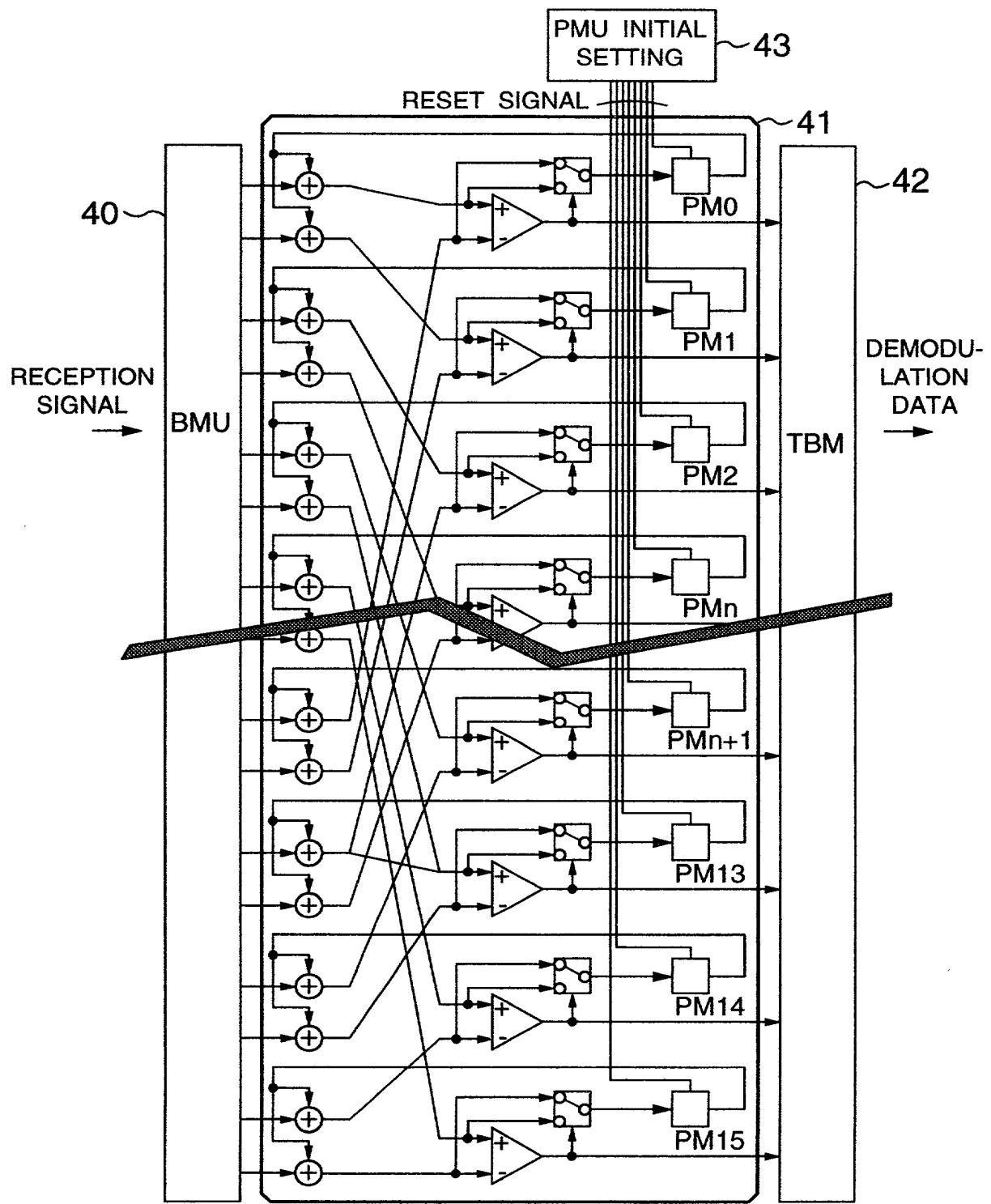


FIG.16

